

Figure 5: Intersections with 15 or more collisions in a Three Year Period (By Collision Type) (Jan. 1999-Dec. 2001)									
Intersection	Angle	Rear-End	Side-Swipe	Left-Turn	Head-On	Run-Off Road	Other	Total	Severity
US 421 and I-77		2	3			2	10	17	3.47
US 421 and SR 1125 (Asbury Church. Rd.)*	2	12		2	1			18	7.64

Figure 5: High Collision Locations within Yadkin County

*This intersection will be converted to an overpass (no ramps) with the widening of US 421.

The NCDOT is actively involved with investigating and improving many of these intersections. While the scope of this study does not include areas within the Extra-Territorial Jurisdictions of the municipalities within the county, it should be noted that there are several high-accident locations on US 601 between US 421 and SR 1605 (Main St.) in Yadkinville. This section is a 4-lane undivided section, serving a primarily highway business area, including gas stations, fast-food restaurants, and convenience stores. It is recommended that this area of US 601 be studied further to address the safety and congestion problems on this roadway. To request a more detailed analysis for any of the locations listed in **Figure 5**, or other intersections of concern, the county should contact the Division 11 Traffic Engineer. Contact information for the Division 11 Traffic Engineer is included in **Appendix A**.

3.5 Existing Capacity Deficiencies

Roadway capacity deficiencies occur wherever the travel demand volume of a roadway is close to or more than the capacity of that roadway. Travel demand volume is the total number of travelers that wish to use a roadway on a daily basis. The existing travel demand volumes for the county are based upon traffic count data taken annually by the NCDOT Traffic Surveys Unit. Volume to Capacity ratios have been calculated for the 2003 plan year and are shown in **Figure 6**. The projected 2030 travel demand volume to capacity ratios, which are based upon historic and anticipated population, economic growth patterns, and land use trends, are shown in **Figure 7**.

Traffic Count Data

Traffic count data can be found at:
http://www.ncdot.org/planning/statewide/traffic_survey/
